

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599 www.miamidade.goy/cconomy

Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hialeah, FL 33012

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "4302" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **PW01–14**, titled "Series 4302 Aluminum Fixed Window - Impact Resistant Glass", sheets 1 through 8 of 8, dated 07/21/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 13-0912.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

M) 19/26/14

NOA No. 14-0807.19 Expiration Date: September 11, 2019 Approval Date: October 09, 2014 Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA# 03-0314.07)
- 2. Drawing No PW01–14, titled "Series 4302 Aluminum Fixed Window Impact Resistant Glass", sheets 1 through 8 of 8, dated 07/21/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of aluminum fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7589, dated 02/18/14, signed and sealed by Marlin D. Brinson, P.E.

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of aluminum arch, eyebrow and rectangular fixed windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3388, dated 08/14/02, signed and sealed by Joseph Chan, P.E. (Submitted under NOA# 03-0314.07)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC** 5th **Edition (2014)** dated July 21, 2014, prepared, signed and sealed by Francisco Hernandez, P.E.
- 2. Glazing complies with ASTM E1300-09.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

Manuel Perez, P.E. Product Control Examiner

NOA No. 14-0807.19

Expiration Date: September 11, 2019 Approval Date: October 09, 2014

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 13-0129.27 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

- 1. Statement letter of conformance, complying with FBC-5th Edition (2014), dated July 29, 2014, prepared, signed and sealed by Francisco Hernandez, P.E.
- 2. Statement letter of no financial interest, dated July 29, 2014, prepared, signed and sealed by Francisco Hernandez, P.E.
- 3. Laboratory compliance letter for Test Report No. FTL-3388, issued by Fenestration Testing Laboratory, Inc., dated 09/05/02, signed and sealed by Joseph Chan, P.E. (Submitted under NOA# 03-0314.07)

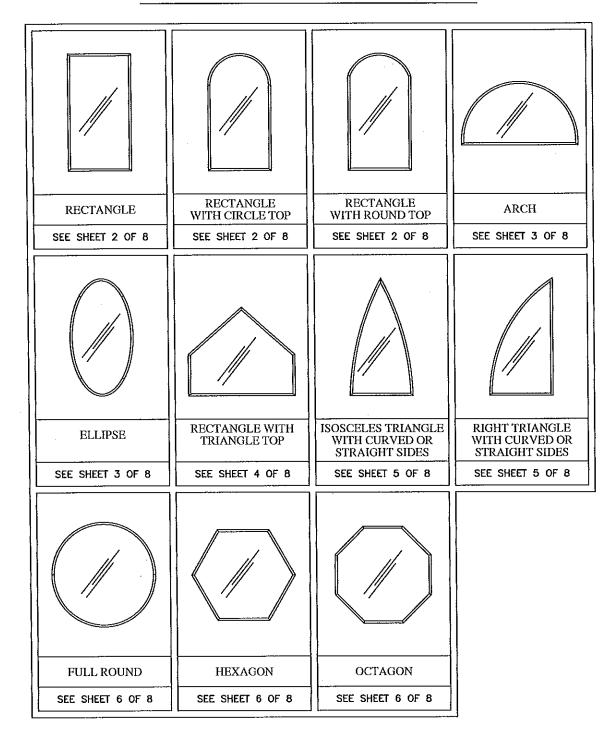
G. OTHERS

1. Notice of Acceptance No. 13–0912.03, issued to Sunshine Windows Manufacturing, Inc. for their Series "4302" Aluminum Fixed Window – L.M.I., approved on 10/31/13 and expiring on 09/11/14.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 14-0807.19

Expiration Date: September 11, 2019 Approval Date: October 09, 2014

FIXED WINDOW SHAPES INCLUDED IN THIS PRODUCT APPROVAL



GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- REFERENCE TEST REPORT FTL-13-4904 DATED ON 3/13/2014.
- FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 2 THRU 7
- 5.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 6.- WOOD HOST STRUCTURE SHALL BE SOUTHERN YELLOW PINE $G=0.55\ OF$ GREATER DENSITY.
- 7.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CONCRETE STRENGTH Fc'28 = 3000 PSI MIN.
 - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.

 - FILLED CMU Fm' = 2000 PSI MIN.
- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6.
- 9.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).
- STEEL HOST STRUCTURE SHALL BE NO LESS THAN 18 GAUGE. STEEL SHALL BE Fy = 36 KSI MIN.
- 11.- COLONIAL MUNTINS CAN BE APPLIED.
- 12.- USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- GLASS: 5/16" NOMINAL LAMINATED GLASS COMPOSED OF (2) 1/8" HEAT STRENGTHENED GLASS WITH 0.09" DUPONT BUTACITE PVB INTERLAYING FILM.
- 14.- FOR CORNER WELDED CONNECTIONS USE 1/8" FILLET WELD WITH 1/4" MINIMUM LENGTH MADE WITH ER4043 FILLER ALLOY.

PRODUCT REVISED as complying with the Florida Acceptance No 14-0807.19
Expiration Date Sept. 11.2019 Building Code

By Manuel Sortes Miami Dade Product Control

FRANCISCO HERNANDEZ FLORIDA PE # 51393

Sunshine Windows

Manufacturing, Inc. 1745 W. 33rd Place Hialeah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

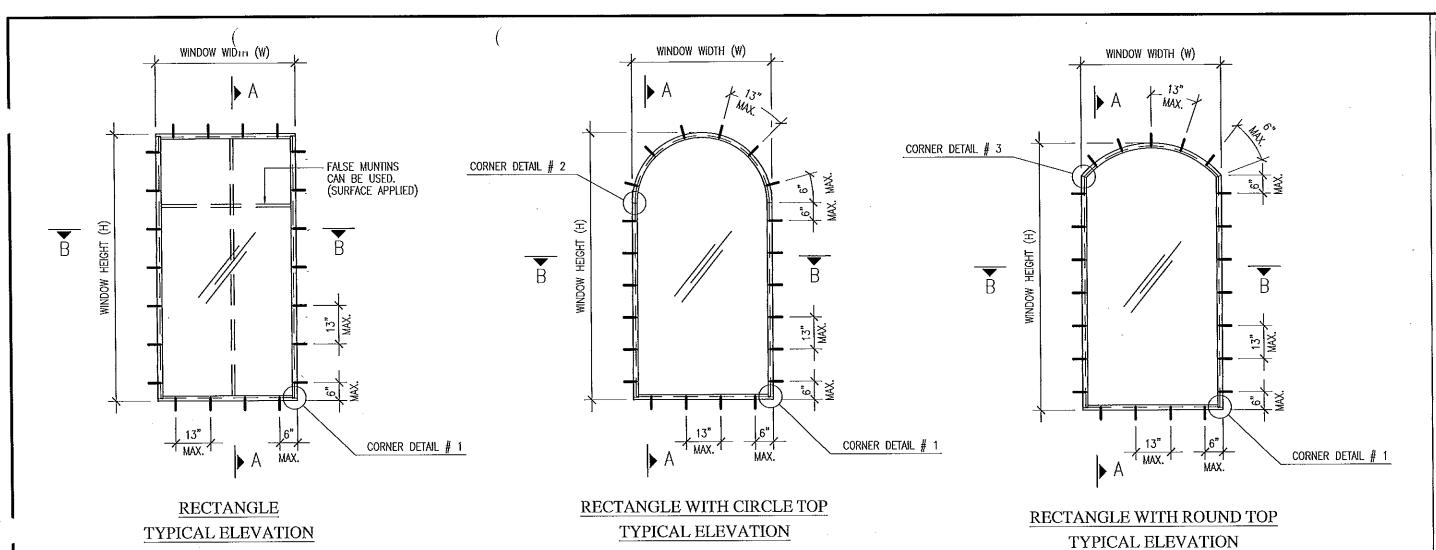
> 4302 ALUMINUM FIXED WINDOW RESISTANT SERIES CI

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	REVISION					
	No DATE					
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	DRAWING No.					

PW01-14 DATE: 07/21/14

SCALE: N.T.S.

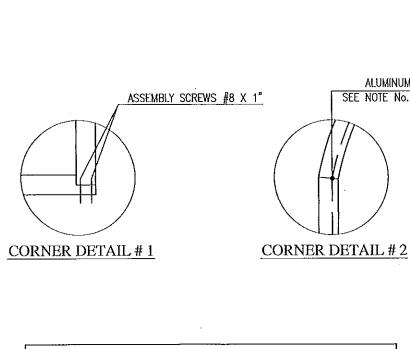
SHEET 1 OF 8



DESIGN PRESSURES WINDOW SIZE CHART - PSF WXH INCHES POS. NEG. 108 X 26 80.00 80.00 80.00 91 X 26 80.00 80.00 84 X 26 00.08 80.00 78 X 37 00.08 78 X 26 00.08 80.00 78 X 1.9 80.00 80.00 74 X 39 80.00 80.00 74 X 37 80.00 80.00 74 X 26 80.00 80.00 74 X 19 80.00 80.00 63 X 46 67.83 67.83 63 X 39 80.00 80.00 63 X 37 80.00 00.08 63 X 26 80.00 80.00 80.00 63 X 19 80.00

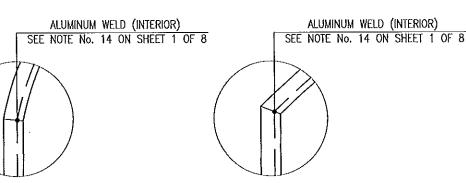
WINDOW SIZE W X H	DESIGN PRESSURES CHART - PSF		
INCHES	POS.	NEG.	
53 X 46	67.83	67.83	
53 X 39	80.00	80.00	
53 X 37	80.00	80.00	
53 X 26	80.00	80.00	
53 X 19	80.00	80.00	
46 X 46	67.83	67.83	
46 X 39	80.00	80.00	
46 X 37	80.00	80.00	
46 X 26	80.00	80.00	
46 X 19	80.00	80.00	
38 X 37	80.00	80.00	
38 X 26	80.00	80.00	
38 X 19	80.00	80.00	
26 X 26	80.00	80.00	
26 X 19	80.00	80.00	

SURES SF	111111111111111111111111111111111111111
NEG.	
67.83	
30.00	
30.00	
30.00	
30.00	i
37.83	
30.00	
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GENERAL NOTES:

1.- FOR GENERAL NOTES REFER TO SHEET 1 OF 8.



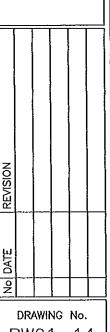
CORNER DETAIL #3

PRODUCT REVISED
as complying with the Florida
Building Code Acceptance No 14-0807, 19 Expiration Date 5267, 11, 2019 By Mianti Dade Product Control

7 2114 FRANCISCO HERNANDEZ FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc 1745 W. 33rd Place Hialeah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

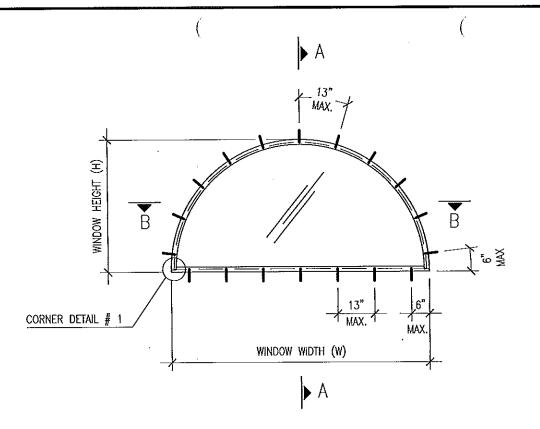
> SERIES 4302 ALUMINUM IMPACT RESISTANT GI FIXED WINDOW



PW01-14 DATE: 07/21/14

SCALE: N.T.S.

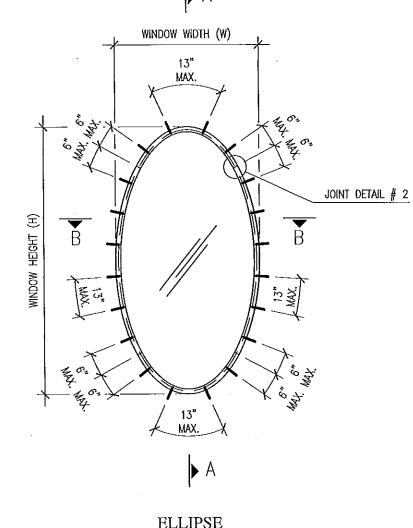
SHEET 2 OF 8



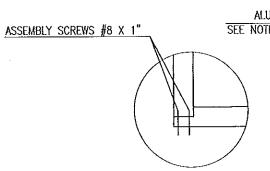
ARCH TYPICAL ELEVATION

WINDOW SIZE WXH	DESIGN PRESSURES CHART - PSF (ARCH)	
INCHES	POS.	NEG.
108 X 26	80.00	80.00
91 X 26	80.00	80.00
84 X 26	80.00	80.00
78 X 37	80.00	80.00
78 X 26	80.00	80.00
78 X 19	80.00	80.00
74 X 37	80.00	80.00
74 X 26	80.00	80.00
74 X 19	80.00	80.00
63 X 26	80.00	80.00
63 X 19	80.00	80.00
53 X 26	80.00	80.00
53 X 19	80.00	80.00
46 X 19	80.00	80,00
38 X 19	80.00	80.00

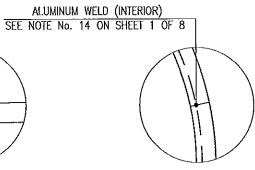
WINDOW SIZE WXH	DESIGN PRESSURES CHART - PSF (ELLIPSE)		
INCHES	POS.	NEG.	
78 X 37	80.00	80.00	
78 X 26	80.00	80.00	
78 X 19	80.00	80.00	
74 X 39	80.00	80.00	
74 X 37	80.00	80.00	
74 X 26	80.00	80.00	
74 X 19	80.00	80.00	
63 X 46	67.83	67.83	
63 X 39	80.00	80.00	
63 X 37	80.00	80.00	
63 X 26	80.00	80.00	
63 X 19	80.00	80.00	
53 X 46	67.83	67.83	
53 X 39	80.00	80.00	
53 X 37	80.00	80.00	
53 X 26	80.00	80.00	
53 X 19	80.00	80.00	
46 X 46	67.83	67.83	
46 X 39	80.00	80.00	
46 X 37	80.00	80.00	
46 X 26	80.00	80.00	
46 X 19	80.00	80.00	
38 X 37	80.00	80.00	
38 X 26	80.00	80.00	
38 X 19	80.00	80.00	
26 X 26	80.00	80.00	
26 X 19	80.00	80.00	



ELLIPSE TYPICAL ELEVATION



CORNER DETAIL # 1



JOINT DETAIL # 2

GENERAL NOTES:

1.- FOR GENERAL NOTES REFER TO SHEET 1 OF 8.

PRODUCT REVISED
as complying with the Florida
Building Code Acceptance No 14.4
Expiration Date 5201

By Mamuel 100 Miami Dade Product Control

7/2/14 FRANCISCO HERNANDEZ FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc 1745 W. 33rd Place Hialeah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

> SERIES 4302 ALUMINUM FIXED WINDOW

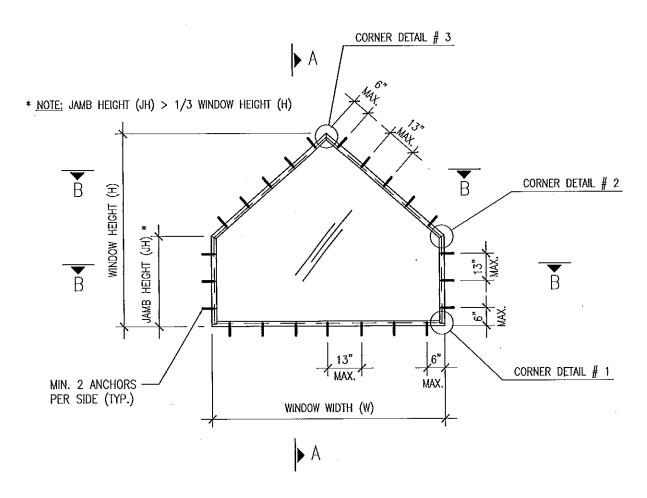
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	DRAWING No.				

PW01-14 DATE: 07/21/14

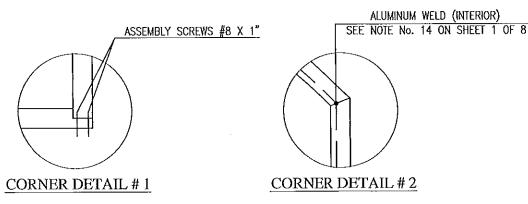
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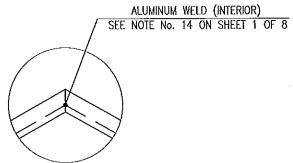
SHEET 3 OF 8

WINDOW SIZE	DESIGN PRESSURES CHART - PSF	
H X W INCHES		
пуспер	POS.	NEG.
26 X 108	80.00	80.00
26 X 91	80.00	80.00
26 X 84	80.00	80.00
37 X 78	80.00	80.00
26 X 78	80.00	80.00
19 X 78	80.00	80.00
39 X 74	80.00	80.00
37 X 74	80.00	80.00
26 X 74	80.00	80.00
19 X 74	80.00	80.00
46 X 63	67.83	67.83
39 X 63	80.00	80.00
37 X 63	80,00	80.00
26 X 63	80.00	80.00
19 X 63	80.00	80.00
46 X 53	67.83	67.83
39 X 53	80.00	80.00
37 X 53	80.00	80.00
26 X 53	80.00	80.00
19 X 53	80.00	80.00
46 X 46	67.83	67.83
39 X 46	80.00	80.00
37 X 46	80.00	80.00
26 X 46	80.00	80.00
19 X 46	80.00	80.00
37 X 38	80.00	80.00
26 X 38	80.00	80.00
19 X 38	80.00	80.00
26 X 26	80.00	80.00
19 X 26	80.00	80.00



RECTANGLE WITH TRIANGLE TOP TYPICAL ELEVATION



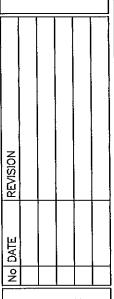


CORNER DETAIL # 3

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-0807-19
Expiration Date 5201 177014
By Miami/Dade Product Control

7/2/14 FRANCISCO HERNANDEZ FLORIDA PE # 51393 Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hioleoh, Florida 33012 Ph: (305)364—9952 Fax:(305)828—5118

> SERIES 4302 ALUMINUM FIXED WINDOW IMPACT RESISTANT GLASS



DRAWING No.
PWO1-14

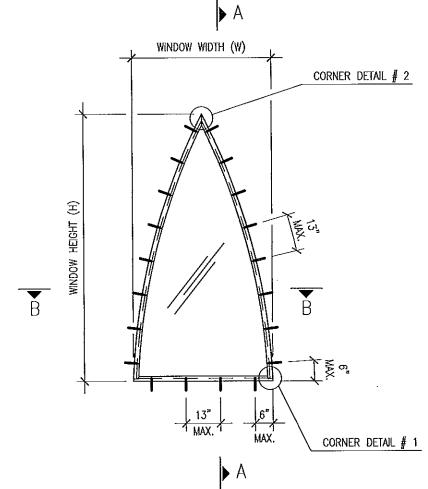
DATE: <u>07/21/14</u> SCALE: <u>N.T.S.</u>

SHEET 4 OF 8

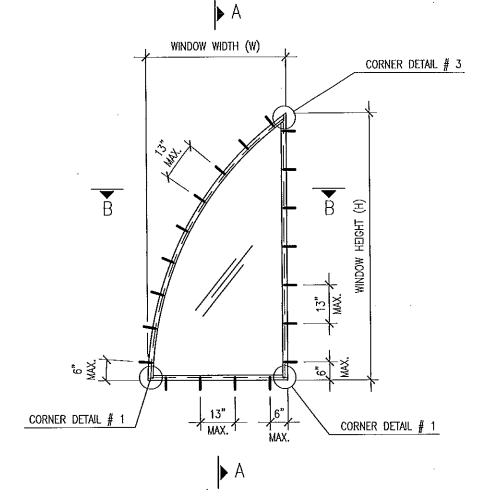
GENERAL NOTES:

1.- FOR GENERAL NOTES REFER TO SHEET 1 OF 8.

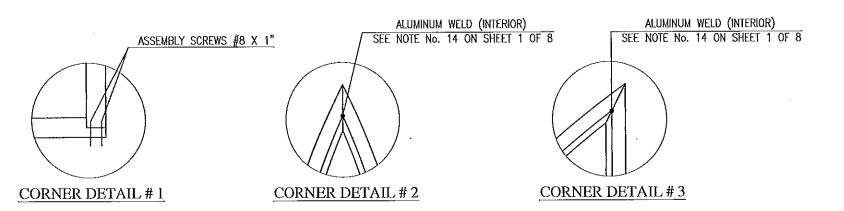
WINDOW SIZE H X W	DESIGN PRESSURES CHART - PSF		
INCHES	POS.	NEG.	
63 X 46	.67.83	67.83	
63 X 39	80.00	80.00	
63 X 37	80.00	80.00	
53 X 46	67.83	67.83	
53 X 39	80.00	80.00	
53 X 37	80.00	80.00	
53 X 26	80.00	80.00	
46 X 46	67.83	67.83	
46 X 39	80.00	80.00	
46 X 37	80.00	80.00	
46 X 26	80.00	80.00	
38 X 37	80.00	80.00	
38 X 26	80.00	80.00	
38 X 19	80.00	80.00	
26 X 26	80.00	80.00	
26 X 19	80.00	80.00	



ISOSCELES TRIANGLE WITH CURVED OR STRAIGHT SIDES TYPICAL ELEVATION



RIGHT TRIANGLE WITH CURVED OR STRAIGHT SIDES TYPICAL ELEVATION



GENERAL NOTES:

1.- FOR GENERAL NOTES REFER TO SHEET 1 OF 8.

PRODUCT REVISED
as complying with the Florida
Building Code
LA CARA Acceptance No 14-0807

Miami Dade Product Control

7 2114 FRANCISCO HERNANDEZ FLORIDA PE # 51393

Sunshine Windows

Manufacturing, Inc. 1745 W. 33rd Place Hialeah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

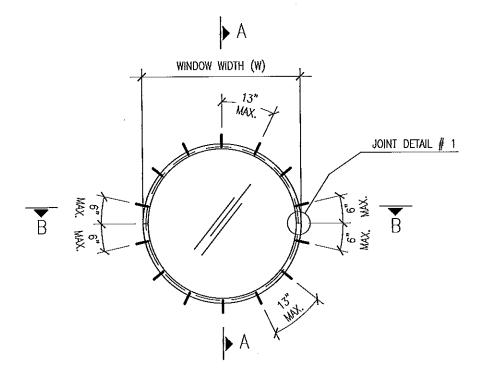
> SERIES 4302 ALUMINUM IMPACT RESISTANT GL FIXED WINDOW

DRAWING No. PW01-14

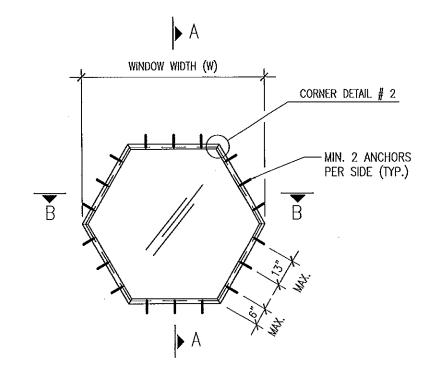
DATE: 07/21/14

SHEET 5 OF 8

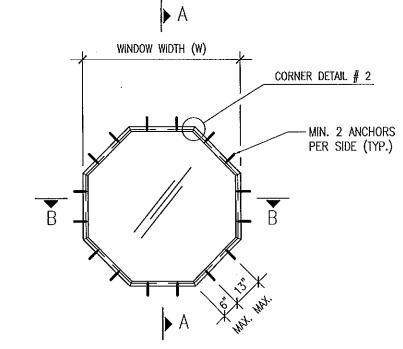
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HEXAGON
TYPICAL ELEVATION

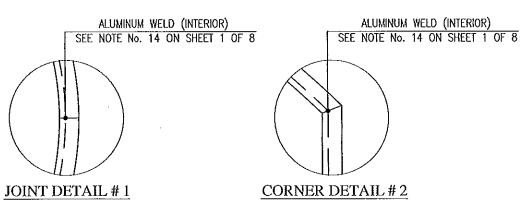


OCTAGON
TYPICAL ELEVATION

WINDOW SIZE	DESIGN PRESSURES CHART - PSF	
WIDTH		
INCHES	POS.	NEG.
53	58.87	58.87
48	65.00	65.00
46	67.83	67.83
43	72.56	72.56
W ≤ 39	80.00	80.00

GENERAL NOTES:

1.- FOR GENERAL NOTES REFER TO SHEET 1 OF 8.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-0807.19
Expiration Date Sept. 11.2019

By Manuel Stromman Dade Product Control

7 21/14 FRANCISCO HERNANDEZ FLORIDA PE # 51393 Sunshine Windows

Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hioleoh, Florido 33012 Ph: (305)364-9952 Fax:(305)828-5118

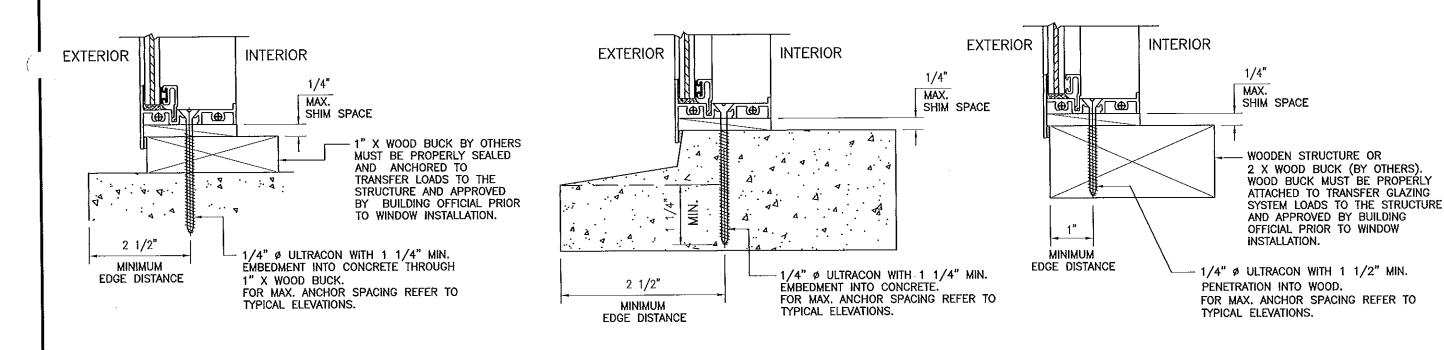
SERIES 4302 ALUMINUM FIXED WINDOW IMPACT RESISTANT GLASS

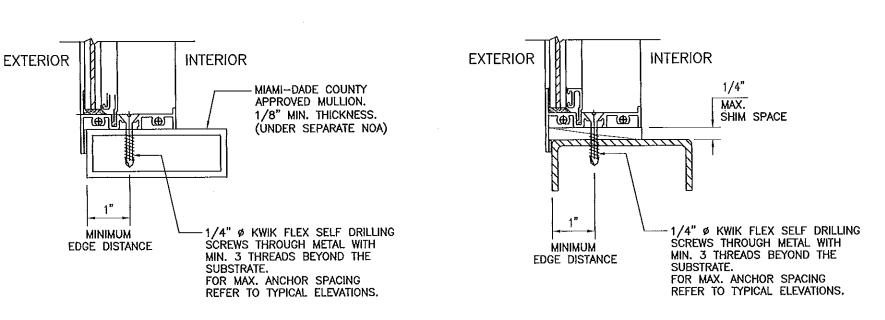


DRAWING No.
PWO1-14

DATE: <u>07/21/14</u> SCALE: <u>N.T.S.</u>

SHEET 6 OF 8





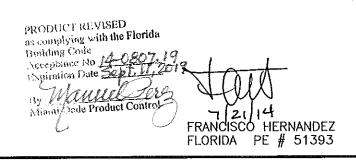
ATTACHMENT TO PRE-CAST SILL

ATTACHMENT TO MULLION

ATTACHMENT TO CONCRETE THROUGH 1 X WOOD BUCK

ATTACHMENT TO METAL STRUCTURE

TYPICAL HEAD, SILL AND JAMB SECTIONS



ATTACHMENT TO WOOD

Sunshine Windows Monufacturing, Inc. 1745 W. 33rd Place Hioleah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

SERIES 4302 ALUMINUM FIXED WINDOW IMPACT RESISTANT GLASS

NO DATE REVISION

DATE

DEVISION

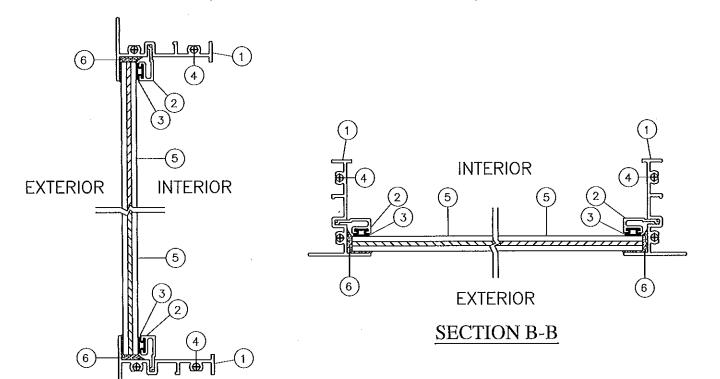
DATE

DEVISION

DO DATE

DATE: <u>07/21/14</u> SCALE: N.T.S.

SHEET 7 OF 8



	MATERIAL LIST					
ITEM#	# PART DESCRIPTION MATE					
1	43681	HEAD, SILL AND JAMB	6063-T6			
2	30684	GLAZING BEAD	6063-T6			
3	GLAZING BEAD BULB	WEATHER STRIPING	FPVC DUR: 75 +/- 5			
4	# 8" X 1" PH S.D.S.	ASSEMBLY SCREW	STEEL			
5	5/16" LAMINATED GLASS/HEAT STR.	SEE GLAZING DETAIL THIS SHEET	GLASS			
6	DOW CORNING 899	SEALANT	SILICONE			

Sunshine Windows Manufacturing, Inc. 1745 W. 33rd Place Hialeah, Florida 33012 Ph: (305)364-9952 Fax:(305)828-5118

IMPACT RESISTANT GLASS SERIES 4302 ALUMINUM FIXED WINDOW

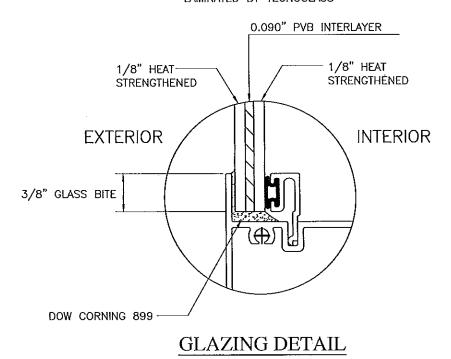
DRAWING No. PW01-14

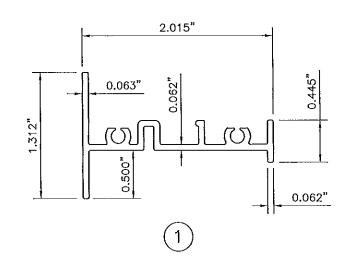
DATE: 07/21/14 SCALE: N.T.S.

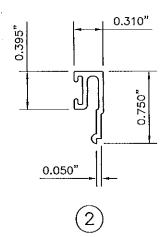
SHEET 8 OF 8

LAMINATED BY TECNOGLASS

SECTION A-A







ODUCT REVISED
as complying with the Florida
Building Code

FRANCISCO HERNANDEZ FLORIDA PE # 51393